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(BOTANY SERIES)

Forest Bulletin No. 80

List of Trees and Shrubs for the Kashmir and Jammu Forest Circles, Jammu and Kashmir State

BY

W. J. LAMBERT, I.F.S.,

Deputy Conservator of Forests.

CALCUTTA: GOVERNMENT OF INDIA
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[*Continued on page 3 of cover.*

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INTRODUCTION.

During my stay in Kashmir, I have often been asked by members of the Kashmir Forest Service to recommend a book on the trees and shrubs of Kashmir, and I have always recommended Parker's Forest Flora for the Punjab with Hazara and Delhi. The area covered by Parker's Flora bounds the Kashmir and Jammu Forest Circles, *i.e.*, the two territorial circles of the Kashmir Forest Department, on the east, south and west, and I have seen very few trees or shrubs in Kashmir which are not described in this Flora.

I have compiled the following very incomplete list of trees and shrubs from stray observations made during the last five years, in the hope that it will enable members of the Kashmir Forest Service to make better use of Parker's Flora. It may also form the basis for a more complete list at some future date, and possibly for a Forest Flora for the Kashmir and Jammu Forest Circles.

The list is based on Parker's Flora, second edition, 1924, and I have, except in one case, omitted those species described in small type, hoping that a smaller list of more important species would be of more use to the officers for whom the list is meant. The exception is *Salix alba*, Linn., which I have included in my list, as it is one of the most important willows in Kashmir.

I have also included the following species and varieties, not mentioned in Parker's Flora—

Myricaria dahurica, Ehr.
Cassia glauca, Lamk. var. *suffruticosa*
Prunus tomentosa, Thunb.
Prunus aloocha, Royle.
Rosa dumetorum, Thuill.
Cotoneaster humilis, Dunn.
Lonicera coerulea, Linn. var. *altaica*, Sweet.
Jasminum auriculatum, Vahl.
Salix oxycarpa, Anders. var. *angustifolia*,

as these are definitely shrubby, and, except in the case of *Prunus aloocha*, Royle, indigenous. *Cotoneaster humilis*, Dunn, was mentioned in the first edition (1918) of Parker's Flora as a dwarf form of *C. acuminata*, Lindl.

The *Spiraea* described in Parker's Flora as *S. hypericifolia*, Linn. has now been divided into three new species, named *S. lycioides*, *S. affinis* and *S. hazarica*, all by Parker. Of these new species, *S. affinis* has been recorded from the area dealt with in this list. The true *S. hypericifolia*, Linn. occurs in the Muzaffarabad Division I mention these *Spiraeas* in case the list appears confusing.

The area dealt with by me is that covered by the Kashmir and Jammu Forest Circles, I have no jurisdiction in the frontier districts of Gilgit and Ladakh, and have never been there, hence they are excluded from the area. As sub-divisions I have taken the Forest Divisions as they stand at present, except that I have sub-divided the Sindh Division into Gurez and Sindh proper, and the Kishtwar Division into Marwa Dachhan and Kishtwar proper. By Gurez and Marwa Dachhan I mean the Forest Ranges of those names, as they stand at present. The Jagirs of Bhaderwah, Poonch and Chineni have been treated as separate units for the purpose of this list, but the Langet Jagir has been included for this purpose in the Kamraj Division.

Where no authority is quoted in the remarks column, I have found or seen specimens from the locality concerned. The word "Dehra" in the remarks column after a locality means that specimens of that species or variety from that particular locality have been sent to Dehra, and identified by the Forest Botanist there. In the few remaining cases, I have quoted the authorities in the remarks column for considering them Kashmir trees and shrubs. The authorities quoted are :—

Blatter.—Beautiful Flowers of Kashmir, 2 vols.

Parker.—Forest Flora for the Punjab, etc., 2nd edn.

Brandis.—Indian Trees.

F. B. I.—Flora of British India, by Hooker.

I take this opportunity of thanking Mr. R. N. Parker, I.F.S., Forest Botanist at Dehra Dun, for the great trouble he has taken in identifying specimens sent to him ; also members of the Kashmir Forest Service for any assistance they have given. Any developments from this list will depend solely on their observations, and any new record for a locality or better still, for the area dealt with, will be most welcome in the Working Plans Circle, provided it is accompanied by a recognisable specimen. In case the information is lost, I place it on record that Rai Bahadur Keshavanand made extensive collections during his stay in Kashmir ; these specimens are now in the Forest Botanist's Herbarium at Dehra Dun. There are, in addition, many other Kashmir specimens in this Herbarium ; I have had no opportunity of examining them, but they should be examined carefully, before any Forest Flora for Kashmir is written, whenever that may be.

SRINAGAR :
12th August, 1929.

W. J. LAMBERT, I.F.S.,
Deputy Conservator of Forests.

Localities have been abbreviated as follows:—

Bhaderwah	Bd.	Marwa Dachhan	Md
Billawar	Bl.	Mirpur	Mr.
Chineni	Ch.	Muzaffarabad	Mz.
Gurez	Gz.	Pir Panjal	Pp.
Jammu	Ju.	Poonch	Po.
Jhelum valley	Jv.	Ramban	Rn.
Kamraj	Kj.	Riasi	Ri.
Kashmir	Ks.	Sindh	Sd.
Keran	Kn.	Udhampur	Ud.
Kishtwar	Ki.		

List of Trees and Shrubs for the Kashmir and Jammu Forest Circles, Jammu and Kashmir State.

Genus, Species and Variety.	Locality.	Remarks.
Clematis montana, Buch.-Ham.	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Rn.	
	Sd.	
	Ud.	
Clematis gouriana, Roxb.	Bl.	
	Mr.	
	Ud.	
Clematis grata, Wall.	Ks.	
	Kn.	
	Kr.	
	Md.	
Clematis graveolens, Lindl.	Sd.	Dehra.
Clematis orientalis, Linn.	Sd.	Blatter.
Clematis connata, Dc.	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Rn.	
Clematis buchananiana, Dc.	Sd.	Blatter.
Miliusa velutina, Hook. f. & Thoms.	Bl.	Dehra.
Cocculus laurifolius, Dc.	..	F. B. I.
Cocculus leaeba, Dc.	Mr.	Dehra.
Tinospora cordifolia, Miers	Ju.	Cultivated.
Cissampelos pariera, Linn.	Bl.	
	Ju.	
	Mr.	
	Mz.	
	Ud.	
Berberis petiolaris, Wall.	Kr.	
	Md.	
Berberis zabeliana, C. K. Schn.	Gz.	Dehra.
	Jv.	
	Ks.	Dehra.
	Kn.	
	Kr.	
	Sd.	Dehra.
Berberis kunawurensis, Royle	Ks.	I do not find any sharp line
	Kn.	of distinction between this
	Kr.	and the following species.
	Md.	
	Mz.	
	Sd.	

Genus, Species and Variety.	Locality.	Remarks.
Berberis edgeworthiana, C. K. Schn.	Ks.	
	Kr.	
Berberis jaeschkeana, C. K. Schn.	Ks.	
	Rn.	
Berberis lycium, Royle	Ch.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Sd.	
	Ud.	
Berberis aristata, Dc.	Kr.	
Berberis pseudumbellata, Parker	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Holboellia latifolia, Wall.	Rn.	
	Ud.	
Capparis aphylla, Roth	Mr.	
Capparis spinosa, Linn.	Kr.	Dehra.
	Mr.	Dehra.
	Rn.	
Capparis sepiaria, Linn.	Bl.	
	Ju.	
Crataeva religiosa, Forst. f.	Bl.	
	Ju.	
Flacourtia ramontchi, L'Herit.	Bl.	
	Ju.	
	Mr.	
	Ri.	
	Ud.	
Xylosma longifolium, Clos.	Mr.	
	Ri.	
	Ud.	
Pittosporum floribundum, Wight & Arn.	Ju.	
	Mr.	
	Ud.	
Tamarix dioica, Roxb.	Mr.	Dehra.
Myricaria germanica, Desv.	Jv.	Terminal racemes.
	Ks.	
	Sd.	Dehra.
Myricaria dahurica, Ehr.	Gz.	Short axillary racemes.
	Sd.	Dehra.
Hypericum cernuum, Roxb.	Ch.	
	Kr.	
	Md.	
	Mr.	
	Rn.	
	Ud.	

Genus, Species and Variety.	Locality.	Remarks.
Hypericum lysimachioides, Wall.	Kr.	Dehra. Twigs terete.
	Md.	
Sida spinosa, Linn.	Ju.	Dehra.
Sida veronicaefolia, Lamk.	Bl.	
	Ju.	
	Mr.	
	Ri.	
Sida grewioides, Guill. & Perr.	Mr.	Dehra.
Sida cordifolia, Linn.	Ju.	Dehra.
Malvastrum tricuspidatum, A. Gray	Bl.	Dehra.
	Ju.	
	Mr.	
Abutilon indicum, Sweet	Ju.	
Abutilon bidentatum, Hochst.	Bl.	Dehra.
	Ju.	
	Mr.	Dehra.
Abutilon ramosum, Guill. & Perr.	Bl.	Dehra.
	Ju.	Dehra.
Hibiscus hirtus, Linn.	Ju.	Dehra.
Thespesia macrophylla, Blume	Ud.	Dehra.
Kydia calycina, Roxb.	Bl.	
	Mr.	
Bombax malabaricum, Dc.	Bl.	
	Ju.	
	Mr.	
	Mz.	
	Ri.	
	Ud.	
Helicteres isora, Linn.	Bl.	
	Ju.	
	Ri.	
	Ud.	
Pterospermum acerifolium, Willd.	Bl.	Planted.
	Ju.	Do.
Grewia oppositifolia, Roxb.	Bl.	
	Ch.	
	Ju.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Grewia populifolia, Vahl.	Bl.	Dehra.
	Ju.	
	Mr.	
Reinwardtia trigyna, Planch.	Ch.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Hiptage madablota, Gærtn.	Mr.	
	Ri.	
Aspidopterys wallichii, Hook. f.	Bl.	
	Ri.	
	Ud.	
Fagonia cretica, Linn.	Mr.	
Zanthoxylum alatum, Roxb.	Ch.	
	Kr.	

Genus, Species and Variety.	Locality.	Remarks.
Zanthoxylum alatum—contd.	Md.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Limonia acidissima, Linn. . . .	Bl.	
Aegle marmelos, Corr.	Bl.	
	Ju.	
	Mr.	
	Ri.	
	Ud.	
Skimmia laureola, Sieb. & Zucc. . .	Gz.	
	Jv.	
	Kn.	
	Kr.	
	Md.	
	Rn.	
	Sd.	
Murraya exotica, Linn.	Bl.	
Murraya koenigii, Spreng. . . .	Bl.	
Picrasma quassioides, Bennett . . .	Kr.	
	Md.	
	Rn.	
	Ud.	
Azadirachta indica, A. Juss. . . .	Bl.	Planted.
	Ju.	Do.
Melia azedarach, Linn. . . .	Bl.	
	Kr.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Cedrela toona, Roxb.	Bl.	
	Mr.	
	Ri.	
	Ud.	
Cedrela serrata, Royle	Ch.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Ud.	
Ilex dipyrena, Wall.	Jv.	
	Mz.	
	Rn.	
	Ud.	
Euonymus pendulus, Wall. . . .	Mz.	
	Rn.	
	Ud.	
Euonymus hamiltonianus, Wall. . .	Gs.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	

Genus, Species and Variety.	Locality.	Remarks.
Euonymus hamiltonianus—contd.	Mz.	
	Rn.	
	Sd.	Dehra.
	Ud.	
Euonymus lacerus, Buch.-Ham. . .	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz .	
	Rn.	
	Sd.	
	Ud.	
Euonymus echinatus, Wall. . . .	Rn.	
Celastrus paniculata, Willd. . . .	Bl.	
	Ju.	
	Mr.	
	Ri.	
	Ud.	
Gymnosporia royleana, Wall. . . .	Bl.	
	Ch.	
	Ju.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Elaeodendron glaucum, Pers. . . .	Bl.	
	Ju.	
	Mr.	
	Ri.	
Zizyphus jujuba, Lamk.	Bl.	
	Ju.	
	Mr.	
	Ud.	
Zizyphus oxyphylla, Edgew. . . .	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Zizyphus sativa, Gærtn.	Ch.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Zizyphus hysudrica, Hole . . .	Bl.	
	Ju.	
	Mr.	
	Ud.	
Berchemia lineata, Dc.	Kr.	
	Md.	
	Mz.	
Rhamnus pentapomica, Parker . . .	Mr.	Dehra.

Genus, Species and Variety.	Locality.	Remarks.
Rhamnus virgata, Roxb.	Gz.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Rhamnus purpurea, Edgew.	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Rhamnus triquetra, Wall.	Ch.	
	Ju.	
	Mr.	
	Mz.	Dehra.
	Rn.	
	Ud.	
Rhamnus prostrata, Jacquem.	Gz.	
	Kn.	
	Kr.	
	Sd.	
Sageretia oppositifolia, Brongn.	Ch.	
	Mr.	
	Ri.	
	Ud.	
Sageretia theezans, Brongn.		
var. *theezans*	Ch.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn.	
	Ud.	
var. *brandrethiana*	Kn.	
	Mr.	
	Mz.	
Helinus lanceolatus, Brandis	Mr.	
	Mz.	
	Ud.	
Vitis parvifolia, Roxb.	Rn.	
	Ud.	
Vitis persica, Boiss.	Mz.	Dehra.
Vitis vinifera, Linn.	Ks.	Planted.
	Md.	Do.
	Mz.	Do.
	Rn.	Do.
	Sd.	Do.
Vitis lanata, Roxb.	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	

Genus, Species and Variety.	Locality.	Remarks.
Vitis semicordata, Wall.	Ks.	Both varieties included.
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Ud.	
Vitis trifolia, Linn.	Bl.	Dehra.
	Ju.	
Leea aspera, Wall.		F. B. I.
Staphylea emodi, Wall.	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Acer oblongum, Wall.	Ch.	
	Mr.	
Acer pentapomicum, J. L. Stewart	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
Acer caesium, Wall.	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Acer villosum, Wall.		F. B. I.
Acer acuminatum, Wall.	Ks.	Dehra.
	Kr.	
	Rn.	Dehra.
Acer pictum, Thunb.	Kj.	
	Ks.	
	Kr.	
	Md.	
	Rn.	
	Sd.	
Aesculus indica, Colebr.	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Sapindus mukorossi, Gærtn.	Ch.	Planted.
Dodonaea viscosa, Linn.	Bl.	

Genus, Species and Variety.	Locality.	Remarks.
Dodonaea viscosa—contd.	Ju.	
	Mr.	
	Mz.	
	Ri.	
	Ud.	
Subia campanulata, Wall. . . .	Rn.	
	Ud.	
Meliosma pungens, Walp. . . .	Mz.	
Rhus cotinus, Linn.	Ju.	
	Kn.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Rhus semialata, Murr.	Kr.	
	Md.	
	Mz.	
	Rn.	
	Ud.	
Rhus punjabensis, Stewart . . .	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
Rhus succedanea, Linn.	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Mangifera indica, Linn.	Bl.	Planted.
	Mr.	Do.
	Ri.	Do.
	Ud.	Do.
Pistacia integerrima, Stewart . . .	Ch.	
	Kn.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Lannea grandis, Engl.	Bl.	
	Ju.	
	Mr.	
	Ud.	
Spondias mangifera, Willd. . . .	..	Parker.
Coriaria nepalensis, Wall. . . .	Kn.	
	Md.	
	Mz.	
	Rn.	

Genus, Species and Variety.	Locality.	Remarks.
Moringa pterygosperma, Gærtn.	Bl.	
	Ju.	
	Mr.	
Indigofera gerardiana, Wall.	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Indigofera atropurpurea, Buch.-Ham.	..	Tawi valley. 3,000′ Dehra.
Indigofera hebepetala, Benth.	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Indigofera pulchella, Roxb.	Bl.	
	Ju.	
	Mr.	
	Mz.	
	Ri.	
	Ud.	
Tephrosia hamiltonii, J. R. Drumm.	Ju.	Dehra.
Robinia pseud-acacia, Linn.	Sd.	Planted.
Caragana versicolor, Benth.	Ks.	
Caragana brevispina, Royle	Jv.	
	Ks.	
	Kn.	
	Rn.	
	Sd.	
Astragalus candolleanus, Royle	Gz.	
	Jv.	
	Md.	
	Rn.	
	Sd.	
Astragalus rhizanthus, Royle	Ks.	
	Kr.	
	Rn.	
Astragalus psilocentros, Fisch.	Mr.	Dehra.
	Mz.	
	Ud.	
Astragalus cicerifolius, Royle	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Millettia auriculata, Baker	Bl.	

Genus, Species and Variety.	Locality.	Remarks.
Millettia auriculata—contd.	Ju.	
	Ri.	
Alhagi camelorum, Fisch.	Mr.	Dehra.
Lespedeza sericea, Miq.	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Sd.	
Lespedeza gerardiana, Grah	..	Parker.
Lespedeza floribunda, Bunge	Kj.	Dehra.
Lespedeza eriocarpa, Dc.	..	Blatter.
Lespedeza dubia, Schindler	Jv.	Dehra.
	Mz.	
Uraria picta, Desv.	Mr.	Dehra.
Ougeinia dalbergioides, Benth.	Bl.	
	Ju.	
	Mr.	
	Ri.	
Desmodium tiliaefolium, G. Don.	Jv.	Dehra.
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Desmodium nutans, Wall.	Kr.	Up to 8,000 *ft.*
Desmodium laxiflorum, Dc.	Mr.	
	Ri.	
Desmodium sambuense, Dc.	..	Blatter.
Desmodium concinnum, Dc.	..	Blatter.
Desmodium podocarpum, Dc.	Jv.	Dehra.
	Kn.	
Desmodium gangeticum, Dc.	Bl.	
	Mr.	
Abrus precatorius, Linn.	Bl.	
	Ju.	
	Ri.	
	Ud.	
Mucuna imbricata, Dc.	Mr.	
Mucuna pruriens, Dc.	Mr.	
	Ud.	
Erythrina suberosa, Roxb.	Ju.	
	Mr.	
	Ud.	
Butea frondosa, Kœnig	Bl.	
	Ju.	
	Mr.	
	Ud.	
Pueraria tuberosa, Dc.	Bl.	
	Ju.	
	Ri.	
Atylosia mollis, Benth.	Ri.	
Atylosia scarabaeoides, Benth.	Ju.	
Rhyncosia pseudo-cajan, Camb.	Mr.	
	Mz.	
Flemingia bracteata, Wight	Mr.	Dehra.
Flemingia semialata, Roxb.	Mr.	

Genus, Species and Variety.	Locality.	Remarks.
Flemingia prostrata, Roxb.	Mr.	
Dalbergia sissoo, Roxb.	Bl.	
	Ju.	
	Kr.	
	Mr.	
	Mz.	
	Rn.	
	Ud.	
Pongamia glabra, Vent.	Bl.	Planted.
	Ju.	Do.
	Mr.	Do.
Sophora mollis, Grah.	Ch.	
	Jv.	
	Kn.	
	Kr.	
	Mz.	
	Rn.	
Caesalpinia sepiaria, Roxb.	Ch.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Parkinsonia aculeata, Linn.	Bl.	Planted.
	Mr.	Do.
Cassia fistula, Linn.	Bl.	
	Ju.	
	Mr.	
	Ri.	
	Ud.	
Cassia occidentalis, Linn.	Ju.	Dehra.
Cassia glauca, Lamk. var. *suffruticosa*	Bl.	Dehra.
Bauhinia malabarica, Roxb.	Mr.	
Bauhinia variegata, Linn.	Bl.	
	Ju.	
	Mz.	
Bauhinia vahlii, Wight & Arnott	Bl.	
	Ju.	
	Mr.	
	Ri.	
	Ud.	
Albizzia julibrissin, Durazz.	Kr.	
	Rn.	
Albizzia odoratissima, Benth.	Ju.	Dehra.
Albizzia lebbek, Benth.	Bl.	
	Ju.	
	Mr.	Planted.
	Ri.	Do.
	Ud.	Do.
Albizzia procera, Benth.	Mr.	Do.
Acacia arabica, Willd.	Bl.	
	Ju.	
	Mr.	
Acacia farnesiana, Willd.	Bl.	
	Ju.	
	Mr.	
Acacia catechu, Willd.	Bl.	
	Ju.	

Genus, Species and Variety.	Locality.	Remarks.
Acacia catechu—contd.	Mr.	
	Mz.	
	Ri.	
	Ud.	
Acacia modesta, Wall.	Bl.	
	Ju.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Acacia gageana, Craib	Ju.	Dehra.
Mimosa rubicaulis, Lamk.	Bl.	
	Ju.	
	Mr.	
	Mz.	
	Ri.	
	Ud.	
Prosopis glandulosa, Torr.	Mr.	Planted.
Prunus prostrata, Labill	Jv.	
	Kj.	
	Ks.	
	Kn.	Dehra.
	Mz.	
	Sd.	
Prunus tomentosa, Thunb.	Ks.	Dehra.
	Rn.	Dehra.
Prunus persica, Stokes	Ks.	This species is naturalised in many places.
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
Prunus armeniaca, Linn.	Ch.	This species appears to be indigenous in several places.
	Ks.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Prunus aloocha, Royle	Ks.	Dehra. Naturalised.
Prunus cornuta, Wall.	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Prinsepia utilis, Royle	Ch.	
	Rn.	
	Ud.	
Rubus paniculatus, Smith	Ud.	
Rubus ellipticus, Smith	Ch.	
	Mr.	

Genus, Species and Variety.	Locality.	Remarks.
Rubus ellipticus—contd.	Mz.	
	Rn.	
	Ud.	
Rubus macilentus, Camb. . . .	Ch.	
	Mz.	
	Rn.	
	Ud.	
Rubus purpureus, Bunge	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Sd.	
Rubus biflorus, Buch.-Ham. . . .	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Rn.	
	Sd.	
Rubus fruticosus, Linn.	Ch.	
	Ks.	
	Kn.	
	Mr.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Rubus niveus, Wall.	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Rubus pungens, Camb.	Gz.	Drupelets few, large, orange red.
	Jv.	
	Ks.	
	Kn.	
	Mz.	
	Rn.	
	Sd.	
Rubus lasiocarpus, Smith . . .	Ch.	A form common in Kishtwar and Marwa Dachhan has not got pruinose branches.
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Spiraea lindleyana, Wall. . . .	Gz.	
	Jv.	
	Ks.	
	Kn.	

Genus, Species and Variety.	Locality.	Remarks.
Spiraea lindleyana—contd.	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Spiraea hypericifolia, Linn. . . .	Mz.	Dehra.
Spiraea affinis, Parker	Gz.	Dehra. Described under *S. hypericifolia* in Parker's Flora.
Spiraea canescens, D. Don . . .	Ks.	
	Kr.	
	Md.	
	Rn.	
	Sd.	
	Ud.	
Spiraea vaccinifolia, D. Don . . .	Ks.	Twigs not ribbed. In Ramban the whole plant often appears to be glabrous, without becoming *S. gracilis*.
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Ud.	
Spiraea gracilis, Maxim.	..	F. B. I.
Spiraea bella, Sims	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Potentilla sericophylla, Parker . . .	Kn.	
Potentilla biflora, Willd.	..	Blatter.
Potentilla fruticosa, Linn. var. *typica*	Gz.	Dehra. At 7,000 ft.
Potentilla eriocarpa, Wall. . . .	Ks.	Dehra.
Rosa macrophylla, Lindl.	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kr.	
	Md.	
	Sd.	
Rosa webbiana, Wall.	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Sd.	
Rosa moschata, J. Herrmann . . .	Bl. ..	At 1,200 ft. in Billawar.
	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	

Genus, Species and Variety.	Locality.	Remarks.
Rosa moschata—contd.	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Rosa dumetorum, Thuill.	Jv.	
	Kj.	
	Ks.	Dehra.
Cydonia vulgaris, Pers.	Ks.	Cultivated.
	Kr.	Do.
	Md.	Do.
	Rn.	Do.
Pyrus malus, Linn.	Gz.	Probably an escape in all cases.
	Jv.	
	Ks.	
	Kn.	
	Md.	
	Rn.	
	Sd.	
Pyrus baccata, Linn.	Ks.	Probably not really indigenous.
	Kr.	
	Md.	
Pyrus pashia, Buch.-Ham.	Ch.	
	Kn.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Pyrus lanata, D. Don	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Pyrus foliolosa, Wall.	Kr.	
var. *cashmiriana*	Gz.	
	Jv.	
	Kn.	
Pyrus aucuparia, Gærtn.	Gz.	
Crataegus oxyacantha, Linn.	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Cotoneaster rosea, Edgew.	Gz.	
	Jv.	

Genus, Species and Variety.	Locality.	Remarks.
Cotoneaster rosea—contd.	Ks.	
	Kn.	..
	Kr.	
	Md.	
	Mz.	Dehra.
	Sd.	
Cotoneaster obovata, Wall. . . .	Gz.	
	Jv.	
	Kn.	Dehra.
	Md.	Dehra.
	Sd.	
Cotoneaster acuminata, Lindl. . . .	Ks.	Dehra.
Cotoneaster integerrima, Medik. . .	Gz.	Dehra.
	Jv.	Dehra.
	Kj.	Dehra.
	Ks.	Dehra.
Cotoneaster humilis, Dunn. . . .	Kr.	
Cotoneaster microphylla, Wall. . . .	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Rn.	
	Sd.	
	Ud.	
var. *thymifolia*	..	F. B. I.
Cotoneaster nummularia, Fisch. & Mey. .	Gz.	
	Jv.	Down to 1,900 ft. in the Jhelum Valley.
	Kj.	Dehra.
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Cotoneaster lindleyi, Steud. . . .	Jv.	Dehra.
	Kj.	Dehra.
	Rn.	
Cotoneaster bacillaris, Wall. . . .	Gz.	
	Ks.	A red fruited form at Pahlgam in Kashmir. Dehra.
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	Dehra.
Deutzia corymbosa, R. Br. . . .	Kr.	Only 1-2 feet high.
	Md.	
Deutzia staminea, R. Br.	Ch.	
	Kn.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn	
	Ud.	
Philadelphus tomentosus, Wall. . .	Kr.	

Genus, Species and Variety.	Locality.	Remarks.
Philadelphus tomentosus—contd.	Md.	
	Rn.	
Itea nutans, Royle	Ch.	
	Mr.	
	Rn.	
	Ud.	
Ribes grossularia, Linn.	Sd.	
Ribes orientale, Desf.	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Sd.	
Ribes glaciale, Wall.	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Rn.	
	Sd.	
Ribes rubrum, Linn.	Gz.	Ripe fruits black in Kashmir, Kishtwar, Marwa Dachhan.
	Jv.	Dehra.
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Parrotia jacquemontiana, Done. . .	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Terminalia belerica, Roxb.	Bl.	
	Ju.	
	Mr.	
	Ud.	
Terminalia chebula, Retz. . . .	Bl.	
	Mr.	
Terminalia arjuna, Wight & Arn. . .	Ju.	Planted.
	Mr.	Do.
Anogeissus latifolia, Wall. . . .	Ri.	
Eugenia jambolana, Lamk. . . .	Bl.	
	Ju.	
	Mr.	
	Ri.	
	Ud.	
Punica granatum, Linn.	Bl.	
	Ch.	

Genus, Species and Variety.	Locality.	Remarks.
Punica granatum—contd.	Kn.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn.	
	Ud.	
Woodfordia floribunda, Salisb. . . .	Bl.	
	Ch.	
	Ju.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Casearia graveolens, Dalz. . . .	..	Parker.
Casearia tomentosa, Roxb. . . .	Bl.	
	Ju.	
	Mr.	
	Ri.	
	Ud.	
Hedera helix, Linn.	Ch.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Cornus macrophylla, Wall. . .	Kn.	
	Kr.	
	Md.	
	Rn.	
	Ud.	
Cornus oblonga, Wall.	Mz.	Dehra.
Cornus capitata, Wall.	Mz.	
Marlea begoniaefolia, Roxb. . . .	Ch.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Ud.	
Viburnum cotinifolium, D. Don. . .	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Viburnum stellulatum, Wall. . . .	Mz.	

Genus, Species and Variety.	Locality.	Remarks.
Viburnum stellulatum—contd.	Rn.	
	Ud.	
Viburnum nervosum, D. Don . . .	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Abelia triflora, R. Br.	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Lonicera hispida, Pall.	Gz.	At 6,500 ft. in Keran. Berries orange red when ripe, not confluent.
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Sd.	
Lonicera glauca, Hook. f. & Thoms. .	Gz.	Ovaries not confluent in flower.
	Sd.	
Lonicera asperifolia, Hook. f. & Thoms. .	Jv.	Berries orange red, not confluent.
	Kn.	
	Sd.	
Lonicera parvifolia, Hook. f. & Thoms. . .	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Rn.	
	Sd.	
Lonicera obovata, Royle	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Rn.	
	Sd.	
Lonicera purpurascens, Walp.	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Rn.	
	Sd.	
Lonicera angustifolia, Wall.	Kr.	
	Md.	
	Rn.	
Lonicera orientalis, Lamk.	Gz.	
	Jv.	

Genus, Species and Variety.	Locality.	Remarks.
Lonicera orientalis—contd.	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
var. *discolor*	..	F. B. I.
Lonicera alpigena, Linn.	Gz.	
	Jv.	
	Ks.	
	Kr.	
	Rn.	
	Sd.	
Lonicera quinquelocularis, Hardwick . .	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Lonicera coerulea, Linn.		
var. *altaica*	Gz.	Dehra.
Leycesteria formosa, Wall. . . .	Kr.	
	Rn.	
Mitragyna parvifolia, Korth. . . .	Bl.	
	Ju.	
	Ri.	
Hymenodictyon excelsum, Wall. . .	Ju.	
	Mr.	
	Ri.	
Wendlandia exserta, Dc.	Bl.	
	Ju.	
	Mr.	
	Ri.	
Wendlandia puberula, Dc. . . .	Mr.	
Hamiltonia suaveolens, Roxb. . . .	Mr.	
	Mz.	
	Ri.	
	Ud.	
Leptodermis lanceolata, Wall. . . .	..	Rattan Pir 6,000 ft. Dehra.
Leptodermis virgata, Edgew. . . .	Kr.	
	Md.	
	Mz.	Dehra.
Pavetta indica, Linn.	Bl.	
	Mr.	
	Ri.	
	Ud.	
Randia tetrasperma, Benth. & Hook. f. .	Mr.	
	Mz.	
	Ri.	
	Ud.	
Randia dumetorum, Lamk. . . .	Bl.	
	Ri.	
	Ud.	
Microglossa albescens, Clarke . . .	Kr.	

Genus, Species and Variety.	Locality.	Remarks.
Anaphalis royleana, DC.	Kr.	
	Rn.	
Phagnalon niveum, Edgew.	..	F. B. I.
Inula cappa, DC.	Mr.	
	Mz.	
	Ud.	
Inula cuspidata, Clarke	Mr.	
	Mz.	
	Kr.	
	Rn.	
	Ud.	
Artemisia maritima, Linn.	Gz.	
	Kr.	Dehra.
	Md.	
Gaultheria trichophylla, Royle	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Rn.	
Cassiope fastigiata, D. Don	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Rn.	
Pieris ovalifolia, D. Don	Bd.	
	Rn.	
	Ud.	
Rhododendron arboreum, Smith	Rn.	
Rhododendron campanulatum, D. Don	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Rn.	
	Sd.	
Rhododendon anthopogon, D. Don	Gz.	
	Jv.	
	Kn.	
	Kr.	
	Md.	
	Rn.	
	Sd.	
Rhododendron lepidotum, Wall.	Kr.	
Plumbago zeylanica, Linn.	Bl.	
	Ju.	
	Mr.	
	Mz.	
	Ud.	
Maesa indica, Wall.	Ri.	
Myrsine africana, Linn.	Kn.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn.	
	Ud.	
Embelia robusta, Roxb.	Mr.	
	Ud.	

Genus, Species and Variety.	Locality.	Remarks.
Diospyros lotus, Linn.	Ch.	Naturalised in Muzaffarabad.
	Kn.	
	Mz.	
	Rn.	
Diospyros cordifolia, Roxb. . . .	Bl.	
	Ju.	
	Mr.	
Diospyros montana, Roxb. . . .	Ju.	
	Ri.	
Symplocos crataegoides, Buch.-Ham. . .	Kr.	
	Rn.	
	Ud.	
Fraxinus floribunda, Wall. . . .	..	F. B. I.
Fraxinus xanthoxyloides, Wall. . . .	Jv.	
	Kn.	
	Kr.	
	Mz.	
	Rn.	
Fraxinus excelsior, Linn.	Gz.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Rn.	
	Sd.	
	Ud.	
Jasminum arborescens, Roxb. . . .	Bl.	Dehra.
	Ju.	
Jasminum pubescens, Willd. . . .	Bl.	
	Ju.	
	Mr.	
	Ud.	
Jasminum auriculatum, Vahl. . . .	Ju.	Dehra.
Jasminum dispermum, Wall. . . .	Ch.	
Jasminum officinale, Linn. . . .	Jv.	
	Ki.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Jasminum grandiflorum, Linn. . . .	Mr.	Doubtfully indigenous.
	Ri.	
	Ud.	
Jasminum humile, Linn.	Jv.	There is no sharp dividing line between this and the following species.
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Jasminum pubigerum, D. Don . . .	Bd.	

Genus, Species and Variety.	Locality.	Remarks.
Jasminum pubigerum—contd.		
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Nyctanthes arbor-tristis, Linn.	Bl.	
	Ju.	
	Ri.	
Syringa emodi, Wall.	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Olea cuspidata, Wall.	Ch.	
	Kn.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Olea glandulifera, Wall.	Mr.	
Thevetia neriifolia, Juss.	Mr.	Planted.
	Ud.	Do
Carissa opaca, Stapf	Bl.	
	Ju.	
	Mr.	
	Ri.	
	Ud	
Holarrhena antidysenterica, Wall.	Bl.	
	Ju.	
	Ri.	
	Ud.	
Wrightia tomentosa, Roem. & Schult.	Ju.	
	Ri.	
Nerium odorum, Soland.	Bl.	
	Ju.	
	Mr.	
	Mz.	
	Rn.	
	Ud.	
Vallaris heynei, Spreng.	Bl.	
	Ju.	
	Mr.	
	Ri.	
	Ud.	
Ichnocarpus frutescens, R. Br.	Bl.	
	Ju.	
	Ri.	
	Ud.	
Trachelospermum fragrans, Hook. f.	Ch.	
	Mz.	

Genus, Species and Variety.	Locality.	Remarks.
Trachelospermum fragrans—contd.		
	Rn.	
	Ud.	
Cryptolepis buchanani, Roem. & Schult.	Bl.	
	Mr.	
	Mz.	Dehra.
	Ud.	
Periploca aphylla, Done.	Mr.	
	Mz.	
Periploca hydaspidis, Falc.	Ch.	Dehra.
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Ud.	
Periploca calophylla, Falc.	Ch.	
	Mz.	
	Rn.	
	Ud.	
Calotropis procera, R. Br.	Bl.	
	Ju.	
	Mr.	
	Rn.	
Daemia extensa, R. Br.	Bl.	
Holostemma rheedianum, Spreng.	Mr.	Dehra.
	Mz	Dehra.
Cynanchum auriculatum, Royle	Jv.	Dehra.
Marsdenia roylei, Wight	Ch.	
	Mz.	
Pergularia pallida, Wight & Arnt.	Mz.	Dehra.
Orthanthera viminea, Wight	Ju.	Dehra.
	Ri.	Dehra.
Buddleia paniculata, Wall.	Ch.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Buddleia asiatica, Lour.	Bl.	
	Ju.	
	Mr.	
	Mz.	
	Ud.	
Cordia obliqua, Willd.	Bl.	
	Mr.	
Cordia vestita, Hook. f. & Thoms.	Ju.	
	Mr.	
Cordia rothii, Roem. & Schult.	Ju.	Planted.
Ehretia acuminata, R. Br.	Ch.	
	Kr.	
	Rn.	
	Ud.	
Ehretia aspera, Roxb.	Bl.	A small tree in Billawar.
	Ju.	
	Mr.	
Ehretia laevis, Roxb.	Bl.	
	Ju.	

Genus, Species and Variety.	Locality.	Remarks.
Ehretia laevis—contd.		
	Mr.	
	Mz.	
Porana paniculata, Roxb. . . .	Ju.	
	Ri.	
Lettsomia thomsoni, Clarke . . .	Ri.	
	Ud.	
Solanum dulcamara, Linn. . . .	Ks.	
	Sd.	
Solanum verbascifolium, Linn. . . .	Bl.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Solanum incanum, Linn.	Mr.	
	Rn.	
	Ud.	
Withania somnifera, Dunal . . .	Ju.	
	Mr.	
	Rn.	
Tecoma undulata, G. Don . . .	Mr.	Dehra.
Stereospermum suaveolens, DC. . . .	Bl.	
	Ju.	
	Mr.	
	Ud.	
Oroxylum indicum, Vent. . . .	Bl.	
	Ju.	
	Ri.	
	Ud.	
Barleria prionitis, Linn.	Ju.	
Barleria cristata, Linn.	Bl.	
	Ju.	
	Mr.	
	Mz.	
	Ri.	
Daedalacanthus nervosus, T. Anders. . .	Mr.	
Strobilanthes glutinosus, Nees . . .	Ch.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
Strobilanthes atropurpureus, Nees . .	..	Blatter.
Strobilanthes alatus, Nees . . .	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Rn.	
Strobilanthes dalhousianus, Clarke . .	..	Blatter.
Aechmanthera tomentosa, Nees		
var. *wallichii*	Mr.	
Adhatoda vasica, Nees	Bl.	
	Ch.	
	Ju.	
	Kr.	
	Mr.	
	Mz.	
	Rn.	

Genus, Species and Variety.	Locality.	Remarks.
Adhatoda vasica—contd.	Ri.	
	Ud.	
Lepidagathis cuspidata, Nees . . .	Ju.	
	Ri.	
	Ud.	
Vitex negundo, Linn.	Bl.	
	Ch.	
	Ju.	
	Mr.	
	Mz.	
	Po.	
	Rn.	
	Ri.	
	Ud.	
Lantana indica, Roxb.	Mr.	Dehra.
Lantana camara, Linn.	Bl.	Naturalised.
	Ju.	Do.
	Mz.	Do.
Callicarpa macrophylla, Vahl. . .	Mr.	
	Mz.	
	Ud.	
Gmelina arborea, Roxb.	Ju.	
	Mr.	
Premna mucronata, Roxb. . . .	Bl.	Dehra.
	Ju.	
Premna herbacea, Roxb.	..	Brandis.
Clerodendron phlomidis, Linn. f. . .	Bl.	Dehra.
Holmskioldia sanguinea, Retz. . .	Mr.	
Caryopteris wallichiana, Schauer. . .	Ju.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Thymus serpyllum, Linn.	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Colebrookea oppositifolia, Sm. . . .	Bl.	
	Ch.	
	Ju.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Pogostemon plectranthoides, Desf. . .	Ri.	
	Ud.	
Elsholtzia polystachya, Benth. . . .	Ks.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	

Genus, Species and Variety.	Locality.	Remarks.
Plectranthus rugosus, Wall. . . .	Ch.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Sd.	
	Ud.	
Roylea calycina, Briquet	..	Parker.
Scutellaria repens, Buch.-Ham.. . .	Ri.	
Otostegia limbata, Benth.	Jv.	
	Mr.	
	Mz.	
	Ri.	
Deeringia celosioides, R. Br. . . .	Bl.	
	Ju.	
	Mr.	
	Ri.	
	Ud.	
Bosea amherstiana, Hook. f. . . .	Ch.	
	Kr.	
	Md.	
	Rn.	
	Ud.	
Aerua tomentosa, Forsk.	Mr.	
Aerua scandens, Wall.	Bl.	
	Mr.	
	Mz.	
	Ri.	
	Ud.	
Rumex hastatus, D. Don	Ch.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Aristolochia punjabensis, Lace . . .	Mz.	Dehra. At 5,500 ft. in Muzaffarabad. Flowers on 8th March in Muzaffarabad.
	Ud.	
Machilus odoratissima, Nees . . .	Kr.	
Machilus duthiei, King	Md.	
	Rn.	
Litsea chinensis, Lamk.	Bl.	
Litsea lanuginosa, Nees	Mz.	Dehra.
Litsea umbrosa, Nees	Jv.	
	Mz.	
	Ud.	

Genus, Species and Variety.	Locality.	Remarks.
Daphne oleoides, Schreb.	Ch.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Daphne retusa, Hemsl.	Ks.	Dehra.
Daphne papyracea, Decne. . . .	Jv.	
	Mz.	
	Ud.	
Wikstroemia canescens, Meissn. . .	Ks.	
	Kn.	
	Kr.	
	Md.	
	Rn.	
	Ud.	
Elaeagnus umbellata, Thunb. . . .	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Hippophae rhamnoides, Linn. . . .	Gz.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
Hippophae salicifolia, D. Don . . .	..	F. B. J.
Loranthus cordifolius, Wall. . . .	Bl.	
	Mr.	
Loranthus vestitus, Wall.	Ud.	
Loranthus pulverulentus, Wall. . . .	Mr.	
Loranthus longiflorus, Desrouss. . .	Bl.	
	Ju.	
	Mr.	
Viscum album, Linn.	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Viscum japonicum, Thunb. . . .	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
Arceuthobium minutissimum, Hook. f. .	Gz.	
	Jv.	
	Ks.	

Genus, Species and Variety.	Locality.	Remarks.
Arceuthobium minutissimum—contd.		
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Euphorbia royleana, Boiss. . . .	Bl.	
	Ju.	
	Mr.	
	Ri.	
	Ud.	
Buxus wallichiana, Baillon . . .	Ud.	Dehra.
Bridelia retusa, Spreng.	Bl.	
Bridelia verrucosa, Haines . . .	Mr.	
Antidesma diandrum, Roth . . .	Ri.	
	Ud.	
Phyllanthus emblica, Linn. . . .	Bl.	
	Ju.	
	Mr.	
	Ud.	
Phyllanthus parvifolius, Buch.-Ham. .		Parker.
Putranjiva roxburghii, Wall. . . .	Bl.	Possibly planted.
Sarcococca saligna, Muell. Arg. . .	Ch.	
	Jv.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Ud.	
Flueggea microcarpa Blume . .	Bl.	
	Ju.	
	Mr.	
	Ud.	
Glochidion velutinum, Wight . . .	Mr.	
	Mz.	
	Ud.	
Andrachne cordifolia, Muell. Arg. . .	Jv.	
	Kn.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn.	
	Ud.	
Mallotus philippinensis, Muell. Arg. . .	Bl.	
	Ch.	
	Ju.	
	Mr.	
	Mz.	
	Ri.	
	Ud.	
Sapium sebiferum, Roxb. . . .	Rn.	Planted.
	Ud.	Do.
Baliospermum axillare, Blume . . .	Ju.	
	Mr.	
Jatropha curcas, Linn.	Ri.	Planted.
Ricinus communis, Linn. . . .	Bl.	Naturalised in many places.
	Ju.	

Genus, Species and Variety.	Locality.	Remarks.
Ricinus communis—contd.		
	Mr.	
	Mz.	
	Rn.	
	Ud.	
Ulmus wallichiana, Planch. . . .	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Ulmus laevigata, Royle	Kj.	
	Ks.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Holoptelea integrifolia, Planch. . . .	Bl.	
Celtis australis, Linn.	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	Dehra.
	Rn.	
	Sd.	
Celtis alpina, Royle	Ch.	
	Kn.	Dehra.
	Kr.	
	Md.	
	Rn.	
Celtis tetrandra, Roxb.	Kr.	
	Md.	Dehra.
Celtis eriocarpa, Decne. . . .	Mz.	
	Rn.	Dehra.
Trema politoria, Planch.	Ju.	
	Rn.	
	Ri.	
	Ud.	
Boehmeria platyphylla, D. Don . .	Mr.	
	Ri.	
	Ud.	
Villebrunea frutescens, Blume . . .	Ch.	
	Kr.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Debregeasia hypoleuca, Wedd. . . .	Ch.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn.	

Genus, Species and Variety.	Locality.	Remarks.
Debregeasia hypoleuca—contd.		
	Ri.	
	Ud.	
Morus alba, Linn.	Ks.	Planted everywhere frequently naturalised.
	Kn.	
	Mz.	
	Rn.	
	Sd.	
Morus serrata, Roxb.	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
Ficus bengalensis, Linn.	Bl.	
	Mr.	
	Ri.	
	Ud.	
Ficus rumphii, Blume	--	Parker.
Ficus religiosa, Linn.	Bl.	Probably not indigenous.
	Mr.	
	Ud.	
Ficus infectoria, Roxb.	Bl.	
	Mr.	
Ficus clavata, Wall.	Mr.	
Ficus cunia, Buch.-Ham.	Ju.	
	Mr.	
Ficus hispida, Linn. f.	Bl.	
	Ju.	
	Ri.	
	Ud.	
Ficus foveolata, Wall.	Ch.	
	Kn.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn.	
	Ud.	
Ficus palmata, Forsk.	Bl.	
	Ch.	
	Kn.	
	Kr.	
	Md.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Ficus roxburghii, Wall.	Ch.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
	Ud.	
Ficus glomerata, Roxb.	Bl.	
	Mr.	
	Ri.	
Juglans regia, Linn.	Gz.	
	Jv.	
	Kj.	

Genus, Species and Variety.	Locality.	Remarks.
Juglans regia—contd.		
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Engelhardtia colebrookeana, Lindl. . . .	Mr.	
	Ri.	
Alnus nitida, Endl.	Ch.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Ud.	
Betula utilis, D. Don	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Rn.	
	Sd.	
Carpinus faginea, Lindl. . . .	..	Parker.
Corylus colurna, Linn.	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
Quercus incana, Roxb.	Kr.	
	Md.	
	Mz.	
	Rn.	
	Ud.	
Quercus semecarpifolia, Smith . . .	Kn.	
	Rn.	
Quercus ilex, Linn.	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
Quercus dilatata, Lindl.	Jv.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Ud.	
Quercus glauca, Thunb.	Mr.	
	Mz.	
	Ud.	
Salix wallichiana, Anders.	..	F. B. I.
var. *julacea*	Kj.	Dehra.

Genus, Species and Variety.	Locality.	Remarks.
Salix wallichiana—contd.		
var. *sericea*	Sd.	Dehra.
Salix hastata, Linn.	Gz.	
	Jv.	
	Ks.	
	Kn.	Dehra.
	Kr.	
	Sd.	
Salix denticulata, Anders. . . .	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	Dehra.
	Rn.	
	Sd.	Dehra.
	Ud.	
var. *hazarica*	Gz.	
	Kn.	Dehra.
Salix daphnoides, Villars	Sd.	Dehra.
Salix viminalis, Linn.	Gz.	
	Jv.	
	Ks.	
	Kn.	Dehra.
	Md.	
	Sd.	
Salix flabellaris, Anders.	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Rn.	
Salix lindleyana, Wall. . . .	Kr.	
Salix oxycarpa, Anders.	Gz.	
	Kn.	Dehra.
	Kr.	Dehra.
	Md.	
	Sd.	Dehra.
var. *angustifolia*	Sd.	Dehra.
Salix alba, Linn.	Gz.	Also largely planted and cultivated.
	Ks.	
	Kn.	Dehra.
	Md.	
Populus alba, Linn.	Gz.	Also largely planted.
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Sd.	
Populus ciliata, Wall.	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	

Genus, Species and Variety.	Locality.	Remarks.
Populus ciliata—contd.		
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Dioscorea deltoidea, Wall.	Md.	
	Rn.	
Dioscorea bulbifera, Linn.	..	Tawi Valley. Dehra.
Smilax aspera, Linn.	Ch.	
	Mr.	
	Mz.	
	Rn.	
	Ri.	
Smilax parvifolia, Wall.	Ch.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Ud.	
Smilax vaginata, Decsne.	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Rn.	
	Sd.	
Asparagus gracilis, Royle	Bl.	
	Mr.	
Asparagus racemosus, Willd.	..	Parker.
Asparagus adscendens, Roxb.	Ju.	
	Mr.	
	Ri.	
	Ud.	
Phœnix sylvestris, Roxb.	Bl.	
Phœnix humilis, Royle	Mz.	
Bambusa arundinacea, Willd.	Bl.	Planted.
Dendrocalamus strictus, Nees	Bl.	
	Ju.	
	Mr.	
	Ud.	
Ephedra gerardiana, Wall.	Gz.	
	Jv.	At 4,750 ft. in Jhelum Valley. Dehra.
	Ks.	Dehra.
	Kn.	
	Sd.	
Ephedra intermedia, Schrenk & Meyer	Kr.	
Pinus longifolia, Roxb.	Bl.	
	Ch.	
	Ju.	
	Kr.	
	Mr.	
	Mz.	
	Rn.	
	Ud.	
Pinus gerardiana, Wall.	Kr.	
	Md.	
Pinus excelsa, Wall.	Gz.	
	Jv.	

Genus, Species and Variety.	Locality.	Remarks.
Pinus excelsa—contd.		
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Picea smithiana, Boiss.	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Abies pindrow, Spach.	Gz.	There appears to be no sharp line of distinction between *A. pindrow* and *A. webbiana*.
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	
Cedrus deodara, Loudon	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Pp.	
	Rn.	
	Sd.	
	Ud.	
Juniperus communis, Linn.	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Sd.	Dehra. At 5,500 ft. in Sindh.
Juniperus squamata, Buch.-Ham.	Gz.	
	Jv.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Rn.	
	Sd.	

Genus, Species and Variety.	Locality.	Remarks.
Juniperus macropoda, Boiss. . . .	Gz.	
	Kn.	
	Sd.	Dehra. At 5,600 ft. in Sindh.
Juniperus pseudo-sabina, Fisch. & Mey. .	Kr.	
Taxus baccata, Linn.	Gz.	
	Jv.	
	Kj.	
	Ks.	
	Kn.	
	Kr.	
	Md.	
	Mz.	
	Rn.	
	Sd.	
	Ud.	

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